G-Biosciences Image not found or type unknown

Immunotag™ VAMP7 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN2998
Product Description	Immunotag™ VAMP7 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	VAMP7
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	VAMP7 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	VAMP7 SYBL1
Accession No.	P51809 P70280 Q9JHW5
Description	vesicle associated membrane protein 7(VAMP7) Homo sapiens This gene encodes a transmembrane protein that is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family. The encoded protein localizes to late endosomes and lysosomes and is involved in the fusion of transport vesicles to their target membranes. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010],

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Cell Pathway/ Category	SNARE interactions in vesicular transport,
Protein Expression	B-cell lymphoma,Brain,Liver,Uterus,
Subcellular Localization	cytoplasm,lysosomal membrane,endoplasmic reticulum membrane,Golgi apparatus,trans-Golgi network,plasma membrane,cell surface,membrane,integral component of membrane,lamellipodium,cell junction,transport vesicle,G
Protein Function	function:Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.,miscellaneous:Loss-of-function mutant (antisense inhibition) displays impaired granzyme B release and target cell killing by natural killer cells.,miscellaneous:The gene encoding for this protein is located in the pseudoautosomal region 2 (PAR2) of X and Y chromosomes.,similarity:Belongs to the synaptobrevin family.,similarity:Contains 1 longin domain.,similarity:Contains 1 v-SNARE coiled-coil homology domain.,subunit:Component of the SNARE complex composed of STX4, SNAP23 and VAMP7 that binds SYT7 during lysosomal exocytosis. Component of the SNARE complex composed of STX7, STX8, VAMP7 and VTI1B that is required for heterotypic fusion of late endosomes with lysosomes in liver cells.,tissue specificity:Detected in all tissues tested.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.